

Product datasheet

Anti-GREB1 antibody ab72999

★★★★☆ 2 Abreviews 7 References 3 Images

Overview

Product name	Anti-GREB1 antibody
Description	Rabbit polyclonal to GREB1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human GREB1 aa 50-150 conjugated to keyhole limpet haemocyanin. (Peptide available as ab92716)

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

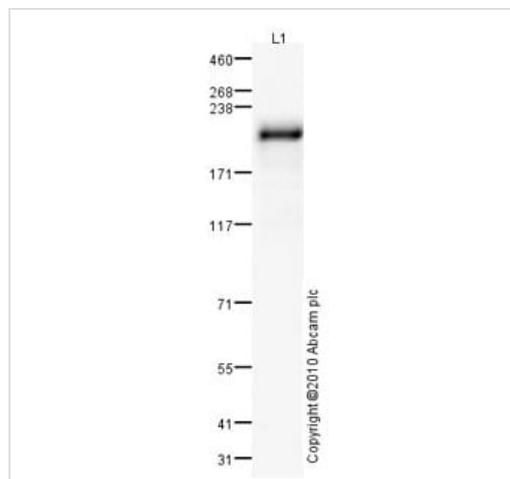
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab72999 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★ ★ ★ ★ ★ (1)	Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 216 kDa (predicted molecular weight: 216 kDa).
IHC-P		Use a concentration of 1 µg/ml.

Target

Function	Unknown. Primary target for estrogen receptor regulation. Acts as a regulator of hormone-dependent cancer growth in breast and prostate cancers.
Tissue specificity	Expressed in proliferating prostatic tissue and prostate cancer.
Sequence similarities	Belongs to the GREB1 family.
Cellular localization	Membrane.

Images



Western blot - Anti-GREB1 antibody (ab72999)

Anti-GREB1 antibody (ab72999) at 1 µg/ml + Human Prostate Tissue Lysate at 10 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

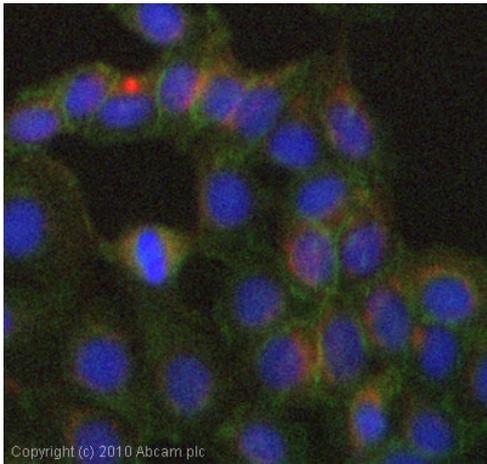
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 216 kDa

Observed band size: 216 kDa

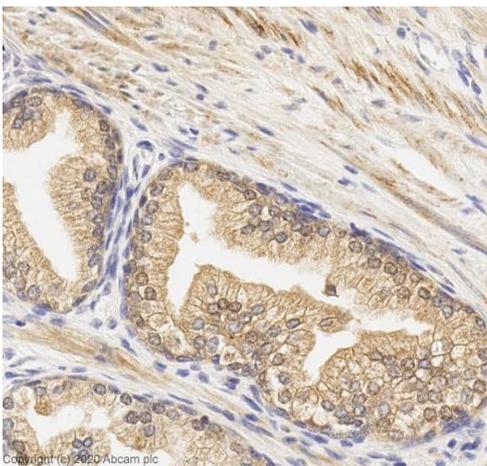
Exposure time: 2 minutes



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Immunocytochemistry/ Immunofluorescence - Anti-GREB1 antibody (ab72999)

ICC/IF image of ab72999 stained MCF7 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab72999, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GREB1 antibody (ab72999)

IHC image of GREB1 antibody staining in a section of formalin-fixed paraffin-embedded normal human prostate performed on a Leica BOND™ system using the standard protocol. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab72999, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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